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**PCT REQUEST**

Original (for SUBMISSION) - printed on 07.03.2003 10:37:37 AM

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	<b>PCT/EP 0 3 / 0 2 4 2 1</b>
<b>0-2</b>	International Filing Date	<b>(1 0. 03. 03)</b> <b>1 0 MAR 2003</b>
<b>0-3</b>	Name of receiving Office and "PCT International Application"	<b>EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION</b>

<b>0-4</b>	<b>Form - PCT/RO/101 PCT Request</b>	
<b>0-4-1</b>	Prepared using	<b>PCT-EASY Version 2.92 (updated 01.01.2003)</b>
<b>0-5</b>	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	Receiving Office (specified by the applicant)	<b>European Patent Office (EPO) (RO/EP)</b>
<b>0-7</b>	Applicant's or agent's file reference	<b>020059 FE</b>
<b>I</b>	<b>Title of invention</b>	<b>NANOSCALE ZINC OXIDE, PROCESS FOR ITS PRODUCTION AND USE</b>
<b>II</b>	<b>Applicant</b>	
<b>II-1</b>	This person is:	<b>applicant only</b>
<b>II-2</b>	Applicant for	<b>all designated States except US</b>
<b>II-4</b>	Name	<b>DEGUSSA AG</b>
<b>II-5</b>	Address:	<b>Bennigsenplatz 1 D-40474 Düsseldorf Germany</b>
<b>II-6</b>	State of nationality	<b>DE</b>
<b>II-7</b>	State of residence	<b>DE</b>
<b>II-8</b>	Telephone No.	<b>0 61 81 / 59-22 27</b>
<b>II-9</b>	Facsimile No.	<b>0 61 81 / 59-43 04</b>
<b>III-1</b>	<b>Applicant and/or inventor</b>	
<b>III-1-1</b>	This person is:	<b>applicant and inventor</b>
<b>III-1-2</b>	Applicant for	<b>US only</b>
<b>III-1-4</b>	Name (LAST, First)	<b>KATUSIC, Stipan</b>
<b>III-1-5</b>	Address:	<b>Berliner Ring 20 D-65779 Kelkheim Germany</b>
<b>III-1-6</b>	State of nationality	<b>DE</b>
<b>III-1-7</b>	State of residence	<b>DE</b>

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III-2	Applicant and/or inventor	applicant and inventor US only MICHAEL, Günther Hugo-Dümmler-Strasse 24 D-63791 Karlstein Germany DE
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
III-3	Applicant and/or inventor	applicant and inventor US only KRESS, Peter Helgenweg 7 D-63579 Freigericht Germany DE
III-3-1	This person is:	
III-3-2	Applicant for	
III-3-4	Name (LAST, First)	
III-3-5	Address:	
III-3-6	State of nationality	
III-3-7	State of residence	
III-4	Applicant and/or inventor	applicant and inventor US only VARGA, Geoffrey, J. Brüchenstrasse 9 D-63579 Freigericht Germany US DE
III-4-1	This person is:	
III-4-2	Applicant for	
III-4-4	Name (LAST, First)	
III-4-5	Address:	
III-4-6	State of nationality	
III-4-7	State of residence	
III-5	Applicant and/or inventor	applicant and inventor US only STAAB, Edwin Kirchstrasse 4a D-63826 Geiselbach Germany DE DE
III-5-1	This person is:	
III-5-2	Applicant for	
III-5-4	Name (LAST, First)	
III-5-5	Address:	
III-5-6	State of nationality	
III-5-7	State of residence	
III-6	Applicant and/or inventor	applicant and inventor US only WEBER, Winfried Danborner Weg 24 D-65597 Hünfelden Germany DE DE
III-6-1	This person is:	
III-6-2	Applicant for	
III-6-4	Name (LAST, First)	
III-6-5	Address:	
III-6-6	State of nationality	
III-6-7	State of residence	

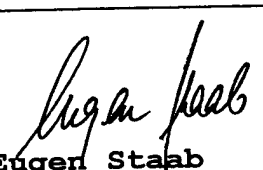
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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	common representative
IV-1-1	Name	DEGUSSA AG
IV-1-2	Address:	Intellectual Property Management PATENTE und MARKEN Standort Hanau Postfach 13 45 D-63403 Hanau Germany
IV-1-3	Telephone No.	0 61 81 / 59-22 27
IV-1-4	Facsimile No.	0 61 81 / 59-43 04
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	22 March 2002 (22.03.2002)
VI-1-2	Number	102 12 680.1
VI-1-3	Country	DE
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)

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VIII	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	<b>Check list</b>	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	12	-
IX-3	Claims	3	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	2	-
IX-7	TOTAL	23	
	<b>Accompanying items</b>	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. AV 45711	-
IX-13	Priority document(s)	Item(s) VI-1	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract	--	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	 DEGUSSA AG i. V. Dr. Eugen Staab AV 45711	
X-1-1	Name		
X-1-2	Name of signatory		
X-1-3	Capacity		

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	(10.03.03)	10 MAR 03.
10-2	Drawings:	X	
10-2-1	Received		
10-2-2	Not received		
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application		

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10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	


**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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VIII-4-1	<p><b>Declaration: Inventorship (only for the purposes of the designation of the United States of America)</b> Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p>	<p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to international application No. PCT/EP03/02421 (if furnishing declaration pursuant to Rule 26ter)</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1 -1	Prior applications:	

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		<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>
VIII-4-1 -1-1 VIII-4-1 -1-2 VIII-4-1 -1-3 VIII-4-1 -1-4 VIII-4-1 -1-5  VIII-4-1 -1-6	Name:  Residence: (city and either US State, if applicable, or country)  Mailing address:  Citizenship:  Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)  Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	KATUSIC, Stipan  Kelkheim, Germany  Berliner Ring 20  DE    Feb 13 - 2003

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VIII-4-1 -2-1	Name:	<b>MICHAEL, Günther</b>
VIII-4-1 -2-2	Residence: (city and either US State, if applicable, or country)	<b>Karlstein, Germany</b>
VIII-4-1 -2-3	Mailing address:	<b>Hugo-Dümmler-Strasse 24</b>
VIII-4-1 -2-4	Citizenship:	<b>DE</b>
VIII-4-1 -2-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1 -2-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	<b>Feb. 13, 2003</b>
VIII-4-1 -3-1	Name:	<b>KRESS, Peter</b>
VIII-4-1 -3-2	Residence: (city and either US State, if applicable, or country)	<b>Freigericht, Germany</b>
VIII-4-1 -3-3	Mailing address:	<b>Helgenweg 7</b>
VIII-4-1 -3-4	Citizenship:	<b>DE</b>
VIII-4-1 -3-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1 -3-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	<b>March 24, 2003</b>



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VIII-4-1 -4-1	Name:	<b>VARGA, Geoffrey, J.</b>
VIII-4-1 -4-2	Residence: (city and either US State, if applicable, or country)	<b>Freigericht, Germany</b>
VIII-4-1 -4-3	Mailing address:	<b>Brüchenstrasse 9</b>
VIII-4-1 -4-4	Citizenship:	<b>US</b>
VIII-4-1 -4-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	<i>Geoffrey Varga</i>
VIII-4-1 -4-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	<i>Feb. 13, 2003</i>
VIII-4-1 -5-1	Name:	<b>STAAB, Edwin</b>
VIII-4-1 -5-2	Residence: (city and either US State, if applicable, or country)	<b>Geiselbach, Germany</b>
VIII-4-1 -5-3	Mailing address:	<b>Kirchstrasse 4a</b>
VIII-4-1 -5-4	Citizenship:	<b>DE</b>
VIII-4-1 -5-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	<i>Edwin Staab</i>
VIII-4-1 -5-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	<i>Feb. 13, 2003</i>
VIII-4-1 -6-1	Name:	<b>WEBER, Winfried</b>
VIII-4-1 -6-2	Residence: (city and either US State, if applicable, or country)	<b>Hünfelden, Germany</b>
VIII-4-1 -6-3	Mailing address:	<b>Danborner Weg 24</b>
VIII-4-1 -6-4	Citizenship:	<b>DE</b>
VIII-4-1 -6-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	<i>Winfried Weber</i>
VIII-4-1 -6-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	<i>Mar. 24, 2003</i>